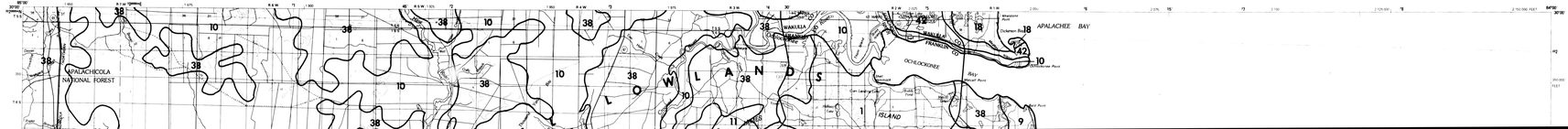
Gaia M No. I 49.84:82/477-1/map C10

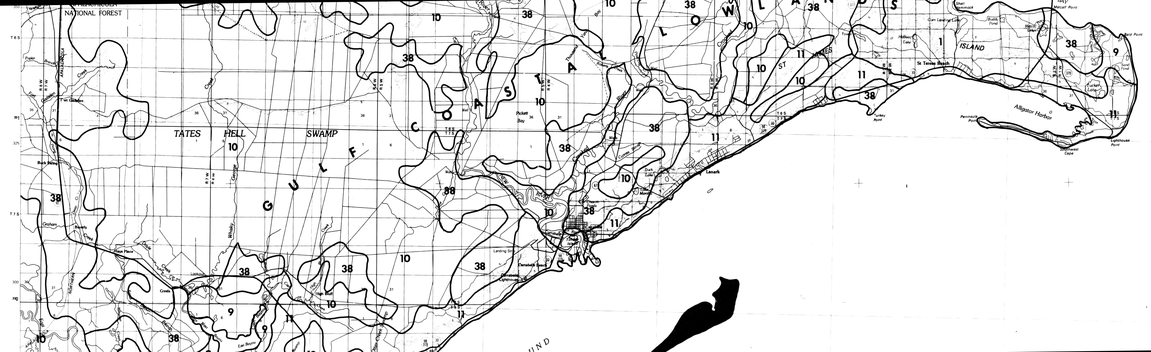
MAP C10
MMS 85-0011
FWS/OBS-82/47.1

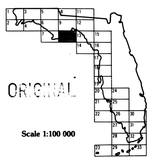
Carrabelle

FLORIDA ECOLOGICAL ATLAS

SOILS AND LANDFORMS







ORIGINAL

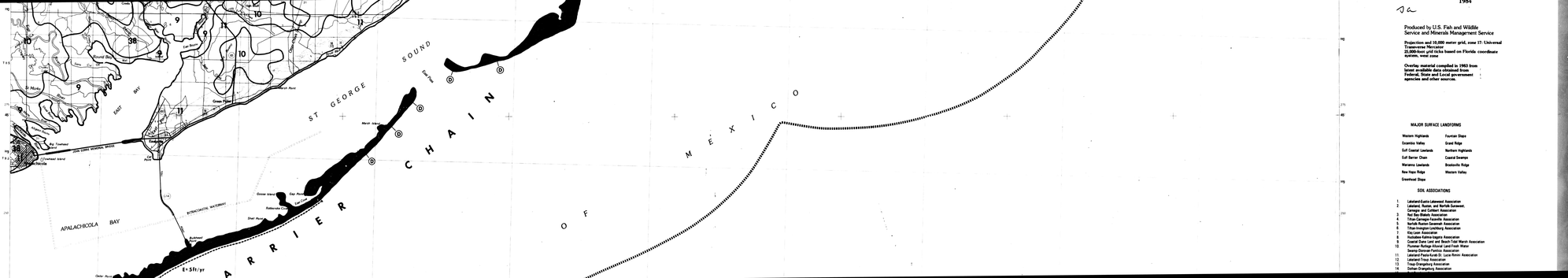
Scale 1:100 000

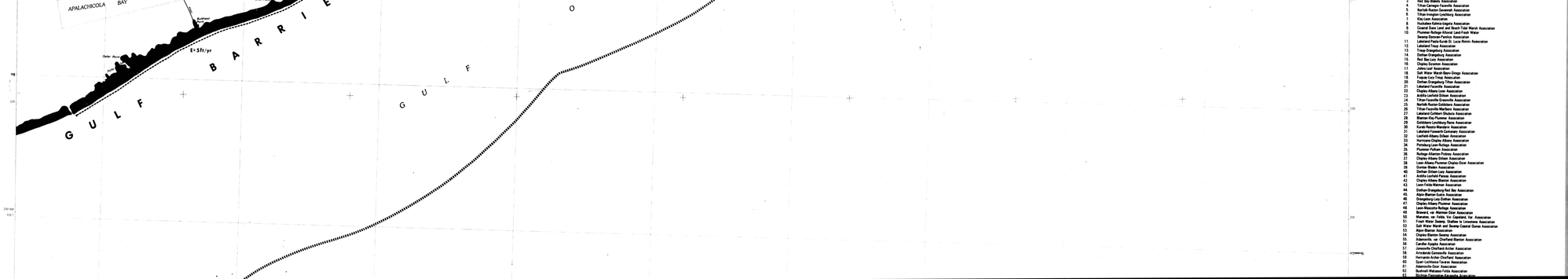
TOPICAL MAPS IN THIS ATLAS:
A. BIOLOGICAL RESOURCES
B. SOCIOECONOMIC FEATURES
C. SOILS AND LANDFORMS
D. OIL, GAS AND MINERALS
E. HYDROLOGY AND CLIMATOLOGY

1984

Produced by U.S. Fish and Wildlife
Service and Minerals Management Service

Projection and 10,000 meter grid, zone 17: Universal


ST GEORGE SOUND
G U L F O F M E X I C O
B A R R I E R C H A I N
APALACHICOLA BAY
EAST BAY
St Vincent Island
St George Island
Dog Island
Little St George Island
Cape St George
Apalachicola
Eastpoint
Carrabelle
Alligator Point
Bald Point
Green Point
Ochlockonee Bay
Ochlockonee River
Lighthouse Point
Porter Bayou
Sand Island
Gulf Beach
Gulf Beach Access
Gulf Beach Access
Gulf Beach Access



1. Yellow Bluff Association
2. Yellow Bluff-Mixon Association
3. Norfolk-Ruston-Dunbrook Association
4. Tifton-Irvington-Lynchburg Association
5. Kitu Loam Association
6. Hurbadee-Kalmia-Isagarra Association
7. Plummer-Rutlege-Mineral Land-Fresh Marsh Association
8. Plummer-Rutlege-Mineral Land-Fresh Water
9. Swamp-Duncan-Pamlico Association
10. Lakeland-Pasty-Kunde-St. Lucie Sands Association
11. Lakeland-Troup Association
12. Troup-Orangeburg Association
13. Troup-Orangeburg Association
14. Red Bay-Lucy Association
15. Chipley-Scranton Association
16. Johns Leaf Association
17. Salt Water Marsh-Swim-Dregs Association
18. Fuquay-Cuzo-Troup Association
19. Lakeland-Fuquay-Troup Association
20. Lakeland-Faceville Association
21. Chipley-Albany-Lore Association
22. Ardilla-Lerfield-Dothan Association
23. Tifton-Faceville-Greenville Association
24. Tifton-Faceville-Orangeburg Association
25. Tifton-Faceville-Marlboro Association
26. Lakeland-Cuthbert-Shubuta Association
27. Blanton-Kla-Plummer Association
28. Goldsboro-Lynchburg-Rains Association
29. Lakeland-Fuquay-Orangeburg Association
30. Lakeland-Foxworth-Carnegie Association
31. Lerfield-Albany-Dothan Association
32. Hurricane-Chipley-Albany Association
33. Pottsburg-Lore-Rutlege Association
34. Albany-Dothan Association
35. Rutlege-Albany-Pickney Association
36. Chipley-Albany-Dothan Association
37. Lore-Albany-Plummer-Chipley-Duner Association
38. Dunbar-Bladen Association
39. Ardilla-Dothan-Lore Association
40. Ardilla-Lerfield-Lore Association
41. Chipley-Albany-Blanton Association
42. Lore-Yonka-Mannon Association
43. Dothan-Orangeburg-Red Bay Association
44. Alpin-Blanton-Eustis Association
45. Orangeburg-Lucy-Dothan Association
46. Lore-Albany-Plummer Association
47. Lore-Mascotte-Rutlege Association
48. Breward, var.-Mannon-Duner Association
49. Manatee, var.-Yella, Var.-Capeland, Var. Association
50. Fresh Water Swamp- Shallow to Limestone Association
51. Fresh Water Swamp-Barrier Beach-Coastal Dunes Association
52. Alpin-Blanton-Associat. Association
53. Chipley-Blanton-Swamp Association
54. Adamsville, var.-Charlland-Duner Association
55. Candler-Apopka Association
56. Arredondo-Blanton Association
57. Arredondo-Centenville Association
58. Hernando-Archer-Charlland Association
59. Sparr-Lochloosa-Tarrytown Association
60. Adamsville-Duner Association
61. Bushnell-Wekiwa-Felda Association
62. Myakka-Farmington-Eaugallon Association

THE FLORIDA ECOLOGICAL ATLAS WAS PRODUCED BY THE U.S. FISH AND WILDLIFE SERVICE' DIVISION OF ECOLOGICAL SERVICES, NATIONAL ECOLOGY RESEARCH TEAM (FWS/ OBS - 82 / 47) AND THE MINERALS MANAGEMENT SERVICE FOR COASTAL AREAS OF THE NORTHEASTERN GULF OF MEXICO. THE PURPOSE OF THE ATLAS IS TO EVALUATE CHANGE AND ITS RESULTS ON COASTAL HABITAT, WETLANDS, FISH AND WILDLIFE REQUIREMENTS, AND THE MAINTENANCE OF ECOLOGICAL DIVERSITY AND PRODUCTIVITY. THE ATLAS COVERS THE COASTAL COUNTIES OF ESCAMBIA, SANTA ROSA, OKALOOSA, WALTON, WASHINGTON, BAY, CALHOUN, GULF, FRANKLIN, WAKULLA, JEFFERSON, TAYLOR, DIXIE, LEVY, CITRUS AND HERNANDO, AND EXTENDS APPROXIMATELY 3 MILES OFFSHORE. IT IS NOT INTENDED TO BE A DECISION OR PRODUCTS OF THIS STUDY, TO DEFINE THE LIMITS OF PROPRIETARY JURISDICTION OF ANY FEDERAL, STATE, OR LOCAL GOVERNMENT TO ESTABLISH GEOGRAPHICAL SCOPE OF THE REGULATORY PROGRAMS OF GOVERNMENT AGENCIES.

THIS MAP HAS BEEN COMPILED FROM A VARIETY OF SOURCE MATERIALS INCLUDING MAPS, AERIAL PHOTOS, AND REPORTS. SINCE MANY SOURCES CONTAINED GENERALIZED LOCATIONS OF RESOURCES AND OTHER MAPPED FEATURES, THE USER SHOULD NOT EXPECT THESE MAPS TO BE PRECISE MEASUREMENTS OF DISTANCES OR AREAS.

PRIMARY SOURCES OF MAPPED INFORMATION:

LANDFORMS: Photographic Map of Florida, State Bureau of Geology, 1980.

SOILS: General Soils Atlas of Florida, Soil Conservation Service, 1981. Detailed Soils Atlas of Florida, U.S. Soil Conservation Service, 1963.

ACTIVE DUNES: Black and White Aerial Photographs, 1:80,000 Scale. Mark Hurd Productions, Inc., 1981. Topographic Maps, 1:24,000 Scale. U.S. Geological Survey, various dates.

GEOLOGIC FAULTS: Atlas of Estuaries and Some Near Coastal Shoaling Contours on top of the Eocene Limestone Aquifer. Florida Aquifer, State Bureau of Geology, 1985.

FOR COMPLETE REFERENCES SEE MAP NARRATIVE

1. Lakeland-Eustis-Lakewood Association: Nearly level to gently sloping, excessively drained soils, sandy throughout.
9. Pamlico-Dune Land and Beach-Tidal Marsh Association: Nearly level to gently sloping, very poorly drained soils subject to frequent flooding by tidal waters and gently sloping, sandy soils not subject to flooding by tidal waters.
10. Plummer-Rutlege-Albured Land-Fresh Water Swamp Dunmore-Pamlico Association: Nearly level, poorly drained soils with a thick surface layer overlying a loamy subsoil and very poorly drained soils that are sandy throughout.
11. Lakeland-Pactolus-Kurodo Dr. Lucia-Rimmin Association: Nearly level to steep, excessively drained soils, sandy throughout.
18. Salt Water Marsh-Beach-Dirego Association: Nearly level, very poorly drained soils subject to frequent flooding by tidal waters.
38. Leon-Albany-Plummer-Clopton Dran Association: Nearly level, poorly drained sandy soils with weakly cemented sands subsoil, and poorly drained soils with very thick sandy layers over loamy subsoil.
42. Chipley-Albany-Blanton Association: Nearly level to gently sloping, moderately well drained soils that are sandy throughout, and somewhat poorly drained soils with very thick sandy layers over loamy subsoil.

E = ___ ft/yr — BEACH EROSION AREA (Period of Record: 1957-1981; Univ. of West Florida, 1981)

A = ___ ft/yr — BEACH ACCRETION AREA (Period of Record: 1957-1981; Univ. of West Florida, 1981)

GULF BARRIER ISLAND

ACTIVE DUNE AREA

U / D — NORMAL FAULT (Showing relative vertical movement, U. up, and D. down)

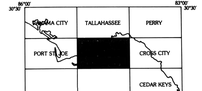
U / D — SUB-SURFACE NORMAL FAULT (Showing relative vertical movement, U. up, and D. down)

STUDY AREA BOUNDARY

Offshore

Inland (County)

Inland (State)



53. Alpin-Blanton Association
54. Chipley-Blanton-Swamp Association
55. Edenwoodly, var Chunfland-Blanton Association
56. Lakeland-Blanton Association
57. Limerocks-Chunfland-Archer Association
58. Arredondo-Gainesville Association
59. Fernando-Archer Chunfland Association
60. Szar-Lochloosa-Tavares Association
61. Kendrick-Lochloosa Association
62. Bullmuth-Mulpasa-Felda Association
63. Bichton-Flemington-Kanapaha Acreiccation
64. Leon-Mascotte-Surrency Association
65. Lynne-Pomona-Pompano Association
66. Candler-Apopka-Kendrick Association
67. Candler-Arredondo-Ft. Association
68. Arredondo-Kendrick Association
69. Brevard-Bara Association
70. Pamaalfilan-Bushnell Association
71. Myakka-Bassinger Association
72. Maggett, var Pompano Association
73. Myakka-Pomello Association
74. Arredondo-Sparr-Kendrick Association
75. Candler-Lake Association
76. Mascotte Association
77. Nobleton-Bichton-Flemington Association
78. Pomello-Flemington-Kanapaha Association
79. Paolos-Floridana-Hydaspas Association
80. Desotarra-Arapolia-Terra Ceia Association
81. Homosassa-Weekiwachee-Lauderdale Association
82. Floridana-Basinger Association
83. Fort Meade-Sparr-Kendrick Association
84. Frank Water Swamp and Marsh Association
85. Bichton Lochloosa-Kendrick Association
86. Paolos Bushnell Association
87. Myakka-Pomello Association

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